| <br>Index of Cla |       |                      | licatio       | on/Control No. |   | Applicant(s)/Patent under<br>Reexamination  HASHIMOTO, NOBUAKI |  |  |  |  |  |
|------------------|-------|----------------------|---------------|----------------|---|--|--|--|--|--|--|
|                  |       | Exa                  | miner<br>H. A |                |   | Art Unit 2822  |  |  |  |  |  |
| √ Rejected       |       | n numeral)<br>celled | N             | Non-Elected    | A | Appeal   |  |  |  |  |  |
| = Allowed        | + Res | tricted              |               | Interference   | 0 | Objected   |  |  |  |  |  |

|              |          |          |         |          |          |          |          |    |         |              |      |          |          |          |          |          | _        |          |         |         |                         | _        |          |            |          |  |  |          |              |          |              |                | ,            |
|--------------|----------|----------|---------|----------|----------|----------|----------|----|---------|--------------|------|----------|----------|----------|----------|----------|----------|----------|---------|---------|-------------------------|----------|----------|------------|----------|--|--|----------|--------------|----------|--------------|----------------|--------------|
| Cla          | aim      | Date     |         |          |          |          |          |    | Cla     | im           | Date |          |          |          |          |          |          |          |         | CI      | aim                     | Date     |          |            |          |  |  |          |              |          |              |                |              |
| Final        | Original | 2/28/08  | 8/15/08 |          |          |          |          |    |         |              |      | Final    | Original |          |          |          |          |          |         |         |                         |          | Final    | Original   |          |  |  |          | -            |          |              |                |              |
|              | (1)      | 7        | V       | Г        | Н        | П        |          | Τ  | T       |              |      |          | 51       |          | $\Box$   | $\perp$  | I        |          | Ι       | I       |                         | ]        |          | 101        |          |  |  |          |              |          |              | $\dashv$       |              |
|              | 2        | 7        | 1       | Т        |          |          |          | Г  | 1.      |              | 1    |          | 52       |          | T        |          |          | $\top$   | I       | $\perp$ |                         | ]        |          | 102        | _        | _  | $\Box$   |          | _            |          |              | _              | _            |
|              | 3        | 7        | 1       |          | Г        |          |          |    |         |              | ]    |          | 53       |          |          |          | $\perp$  | $\perp$  | $\perp$ |         | L                       |          |          | 103        | _        | _  | _  |          | $\Box$       | _        | _            | _              | _            |
|              | 4        | 7        | 1       |          |          |          |          |    |         |              | ]    |          | 54       | П        |          |          | $\perp$  | 1        | 1       | L       | 1                       | 1        | ļ        | 104        | _        | _  | _  | Щ        | $\Box$       |          | _            | _              | _            |
|              | 5        | 7        | V       |          |          |          |          |    |         |              | ]    |          | 55       | П        | $\perp$  |          | $\perp$  | _        | ┸       | $\perp$ | 1                       | 1        | <u></u>  | 105        | _        | _  | _  |          |              | _        |              | _              | _            |
|              | 6        | 1        | 1       |          |          |          |          | L  | L       | L            | 1    | <u> </u> | 56       |          | _        | _        | _        | ᆚ.       | 1       | 4       | ╀                       | 4        | <u> </u> | 106        | _        | 4  | _  | Ш        | $\dashv$     |          | _            | ⊣              |              |
|              | 7        | <b>₹</b> |         |          |          |          |          | L  | ┸       | _            | 1    |          | 57       | $\sqcup$ | 4        | 4        | 4        | _        | 4       | 4       | $\bot$                  | 4        | <u> </u> | 107        | _        |  | $\dashv$   | Н        |              |          | $\dashv$     |                | $\dashv$     |
|              | 8        | N        | N       | L        | L        | L        | L        | ┖  | ╄       | ╙            | 1    |          | 58       | $\vdash$ | 4        | 4        | 4        | +        | 4       | 4-      | +                       | 4        | <b> </b> | 108        | $\dashv$ |  | $\dashv$   | Н        |              | -        |              |                | $\dashv$     |
|              |          | N        | N       | L        |          |          | L        | 乚  | ┸       | ╙            | 1    |          | 59       | ┝        | 4        | 4        | 4        | 4        | 4       | 4       | +                       | 4        | <u> </u> | 109        | $\dashv$ |  |  | Н        | _            | $\dashv$ |              | $\dashv$       | -            |
|              | 10       | N        | N       | <u> </u> | _        | L        | L-       | ┡  | ╄       | ╄            | ļ    |          | 60       | $\vdash$ | -        | -        | +        | +        | ┿       | ╁       | +                       | -        | -        | 111        |          | $\dashv$   |  |          | $\dashv$     |          | $\vdash$     | $\dashv$       |              |
|              | 11       | N        | N       | L        | $\vdash$ | -        | ├        | 1  | ╄       |              | 1    | <u> </u> | 61       | ⊢        | +        | +        | ┵        | +        | +       | +       | +                       | ┨        | -        | 112        | $\dashv$ | $\dashv$   | $\dashv$   | Н        | Н            | $\dashv$ | $\dashv$     | $\dashv$       |              |
|              | 12       | $\vdash$ | ⊢       | -        | -        |          | ⊢        | ╀  | ╁       | 1            | 1    | <b>—</b> | 62<br>63 | ╁        | $\dashv$ | +        | +        | +        | ╅       | ╫       | +                       | +        | <b>—</b> | 113        | $\dashv$ |  | $\dashv$   | H        | Н            |          | $\vdash$     | $\dashv$       | $\dashv$     |
|              | 13       | ⊢        | ⊢       | ⊢        | ╀        | -        | -        | ⊢  | ╁       | $\vdash$     | 1    | <b>—</b> | 64       | ┝┼       | $\dashv$ | +        | +        | +        | +       | ╁       | ╫                       | 1        | $\vdash$ | 114        | $\dashv$ | $\dashv$   | -  | Н        | Н            |          | $\neg$       | _              | $\dashv$     |
|              | 14       | ⊢        | ⊢       | -        | ⊢        | $\vdash$ | -        | ╀  | ╀       | ╀            | 1    | <b>-</b> | 65       | $\vdash$ | $\dashv$ | $\dashv$ | +        | ┿        | ╅       | +       | ┰                       | ┪        | -        | 115        | $\dashv$ | $\dashv$   | $\dashv$   | Н        | Н            |          | Н            | $\dashv$       | $\dashv$     |
|              | 15       | -        | 1-      | $\vdash$ | ⊢        | ├-       | -        | ╁  | +       | ┥            | 1    | $\vdash$ | 66       | ┢═┼      | $\dashv$ | 十        | +        | +        | ╁       | +       | +                       | ┨        | $\vdash$ | 116        | $\dashv$ | $\dashv$   | $\dashv$   | Н        | Н            | $\dashv$ | Н            |                | $\dashv$     |
|              | 16<br>17 | -        | ┞       | ⊢        | ⊢        | $\vdash$ | ⊢        | ⊢  | +       | ╁            | 1    | -        | 67       | $\vdash$ | ┪        | $\dashv$ | ╅        | 十        | +       | +       | +                       | ┨        |          | 117        |          | -  | H  | Н        | Н            | $\dashv$ | $\vdash$     | ┌ <del>│</del> | $\dashv$     |
|              | 18       | ⊢        | ╀       | ┢        | ⊢        | ╀        | ⊢        | ╀  | ╫       | ┼╌           | 1    | $\vdash$ | 68       | $\vdash$ | +        | +        | +        | 十        | ╅       | +       | +                       | 1        |          | 118        |          | $\neg$   |  | П        | П            |          |              | $\Box$         |              |
| _            | 19       | ⊢        | ╀       | ╌        | ┢        | $\vdash$ | ┢        | ╀  | ╁╴      | ╁            | 1    | -        | 69       | 1        | ┪        | 十        | +        | +        | +       | 十       | $\top$                  | 1        | $\vdash$ | 119        |          |  | $\neg$   | П        | П            |          |              | П              |              |
|              | 20       | ┢╌       | ╁╴      | ⊢        | ⊢        | ╫┈       | ┢        | ╁  | +       | ┿            | 1    | $\vdash$ | 70       | ┱        | ┪        | ┪        | +        | +        | ╅       | ╅       | +                       | ┪        | -        | 120        |          |  |  |          |              | _        |              |                |              |
|              | 21       | ⊢        | ┢       | ┢        | ┢        | ╁╴       | $\vdash$ | H  | +-      | ╁            | 1    | $\vdash$ | 71       | ┱        | -1       | +        | 十        | +        | +       | 十       | 十                       | 1        |          | 121        |          |  |  | П        |              |          |              | П              |              |
|              | 22       | Н        | ┢       | ╁╌       | ┢        | 十        | ┢        | +  | +       | H            | 1    | $\vdash$ | 72       | $\vdash$ | _        | 十        | $\top$   | _        | +       | 1       | 1                       | 1        | 1        | 122        |          |  |  | П        |              |          |              |                |              |
|              | 23       | ┪        | +-      | H        | t        | 十        | ┢        | ╁╴ | ╁╴      | ╈            | 1    | $\vdash$ | 73       | Н        | 7        | ┪        | 1        | $\top$   | 1       | 1       | 1                       | 1        |          | 123        |          |  |  |          |              |          |              |                |              |
| <u> </u>     | 24       | ┢        | t       | H        | t        | ╁        | Т        | T  | 十       | 1-           | 1    |          | 74       | П        | ┪        | _        | 1        | ┪        | $\top$  | T       | T                       | ٦        |          | 124        |          |  |  |          |              |          |              |                |              |
|              | 25       | f        | T       | Н        | T        | ✝        | 1        | 1  | 1       | T            | 1    |          | 75       | П        | 一        | 1        | 丁        | $\top$   | T       | 7       | T                       | 7        |          | 125        |          |  |  |          |              |          |              | Ш              |              |
| _            | 26       | Г        | Т       | 1        | T        | 1        | Т        | 1  | T       | Т            | 1    |          | 76       | П        |          | П        | $\Box$   |          |         | $\perp$ | $oldsymbol{\mathbb{I}}$ |          |          | 126        |          |  |  |          |              |          | Ш            | Ш              | <u> </u>     |
|              | 27       | Г        | 1       | Т        | T        |          | Т        | Т  | 1       | Т            | 1    |          | 77       | П        |          |          |          |          |         |         | $\perp$                 |          |          | 127        |          |  | L  | L        | Ш            |          | _            | Ш              | L            |
|              | 28       | Г        | Τ       | Г        |          | П        |          | Г  | Т       | Т            | ]    |          | 78       |          |          |          | $\Box$   | $\perp$  | 1       | ┸       | $\perp$                 | _]       |          | 128        |          |  | lacksquare                                       | ᆫ        | L            |          | L            | Ш              | _            |
|              | 29       | Γ        |         |          | Г        |          |          | L  | Τ       | Τ            | ]    |          | 79       |          |          |          |          | $\perp$  | •       | $\perp$ | ┸                       | 1        | L        | 129        | L        |  | _  | L        |              | Щ        | _            | Ш              | <u> </u>     |
|              | 30       | Г        | Г       | П        | Г        | П        | П        | Т  | T       | $\Gamma_{-}$ | ]    |          | 80       | $\Box$   |          |          |          | ┙        |         | $\perp$ | ┵                       | ┛        | <u> </u> | 130        | _        |  | 匚  | ╙        | L            | Щ        | ╙            | Ш              | ┕            |
|              | 31       |          |         | П        |          | Ι.       |          | L  |         |              | ]    |          | 81       | Ш        |          | $\dashv$ | _        | _        | 4       | ᆚ       | $\perp$                 | 4        | <b>_</b> | 131        | _        | _  | L_   | ㄴ        | ┡            | <b> </b> | <u> </u>     | Ш              | _            |
|              | 32       |          |         |          | $\Box$   | $\Box$   |          | Ĺ  | Ĺ       | L            |      |          | 82       | $\sqcup$ | _        | 4        | 4        | 4        | 4       | 4       | 4                       | 4        | <u></u>  | 132        | <u> </u> | Ш  | <u> </u>   | $\vdash$ | ⊢            | <b>—</b> | -            | $\vdash$       | <u> </u>     |
|              | 33       | L        |         |          | L        |          | _        | L  | $\perp$ | 丄            | 1    | <u></u>  | 83       | $\sqcup$ | _        | 4        | 4        | 4        | +       | +       | +                       | 4        | <b>—</b> | 133        | <b>-</b> | <u> </u>   | ⊢  | ├-       | ⊢            | Н        | ├-           | Н              | ⊢            |
|              | 34       | L        | L       | L        | ┺        | ╙        | ▙        | ╀  | 4       | 1            | 1    | <u></u>  | 84       | ₩        | _        | 4        | +        | 4        | +       | +       | +                       | -        | <b>—</b> | 134<br>135 | $\vdash$ | Ι  | $\vdash$   | ├        | $\vdash$     | -        | ⊢            | Н              | $\vdash$     |
|              | 35       | L        | ┺       | ┺        | ╄        | ↓_       | ╄-       | ╀  | 4       | $\bot$       | 4    | <u></u>  | 85       | ₩        | _        |          | +        | +        | +       | +       | +                       |          | -        |            | <u> </u> | ┝  | ⊢  | $\vdash$ | -            | Н        | ╁            | Н              | $\vdash$     |
|              | 36       | ┖        | ╄-      | ┞-       | ₩        | ╄        | 1        | ╀  | +       | ╄            | -    | -        | 86       | ╀┦       | 4        | -        | +        | +        | +       | +       | +                       | $\dashv$ | $\vdash$ | 136<br>137 | ⊢        | $\vdash$   | $\vdash$   | ╁        | <del> </del> | $\vdash$ | ⊢            | Н              | <del> </del> |
|              | 37       | ┺        | ↓_      | ╀        | ╄        | ↓_       | ⊢        | ╀  | +       | +            | 4    | -        | 87       | ╁┤       |          | -        | $\dashv$ | -+       | +       | +       |                         | $\dashv$ |          | 138        | $\vdash$ | $\vdash$   |  | $\vdash$ | ┢            | $\vdash$ | <del> </del> | Н              | $\vdash$     |
| _            | 38       | ↓_       | ╄       | ⊢        | <b>∤</b> | ╀        | ╀        | ╀  | ╄       | ╀            | ┨    | <b>—</b> | 88       | ╁┤       |          | $\dashv$ | +        | +        | +       | +       | +                       | $\dashv$ |          | 139        | ┝        | ┝  | $\vdash$   | ┢        | ╁╾           |          | $\vdash$     | H              | Н            |
|              | 39       | ╀        | ╀       | ╀        | ╁        | ╀        | -        | ╀  | +       | +            | 4    |          | 90       | ╁┤       | -        | -+       | +        | ╅        | +       | +       | +                       | $\dashv$ | -        | 140        | $\vdash$ | $\vdash$   | <del>                                     </del> | $\vdash$ | $\vdash$     | Н        | ✝            | Н              | Н            |
|              | 40       | ╀        | ╀       | ╀        | ╄        | ╀        | ╀╌       | ╁  | ┿       | ┿            | 1    | $\vdash$ | 91       | $\vdash$ | ┥        | ┵        | ╅        | +        | +       | +       | +                       | 1        |          | 141        | ┢╾       | ┢  | $\vdash$   | ┢        | H            | Т        | ✝            | Н              | Н            |
| _            | 41       | ╀        | ╀       | ⊢        | ╀        | ╁        | ╀        | ╁  | ┿       | +            | 1    | -        | 92       | ╁╾╅      |          | +        | $\dashv$ | +        | +       | ┰       | +                       | 1        | $\vdash$ | 142        | ┢        | <del>                                     </del> | 1  | ⇈        | 一            | Т        | ┢            | Н              | Т            |
| <del>.</del> | 42       | ╀        | ╁       | ╁        | ╆        | ╂╌       | ┰        | ╁  | ╁       | ╁            | 1    | $\vdash$ | 93       | ╅┦       | ┪        | +        | +        | +        | 十       | $\top$  | +                       | 1        |          | 143        | ┰        | Т  | Т  | ⇈        | ✝            | T        | T            | П              | Г            |
| _            | 44       | ╁        | ╂╌      | ╁        | ╁╴       | +        | ╁        | ╁  | ╁       | +            | 1    | <b>-</b> | 94       | ╁┤       |          | 十        | $\dashv$ | 十        | +       | 十       | +                       | 1        |          | 144        | Γ        | $\vdash$   | Г  | Т        | Т            | Г        | T            | П              | Г            |
| _            | 45       | ⊢        | ╁╌      | ╁        | ╁        | +        | +        | ╁  | +       | +            | 1    | $\vdash$ | 95       | H        | -        | -†       | +        | 十        | 十       | +       | +                       | ┪        |          | 145        | Г        | Г  | 1  | Т        | 1            | Ι.       | Ī            | П              |              |
|              | 46       | ╁        | ╁       | +        | +        | +        | +-       | 十  | +       | +            | 1    | $\vdash$ | 96       | +        | $\dashv$ | 1        | -        | $\dashv$ | 十       | $\top$  | +                       | ┪        | $\vdash$ | 146        | Г        | Г  | Г  | Т        | П            | Γ        |              | П              | Г            |
|              | 47       | ╆        | ╈       | ╁╴       | +-       | 十        | ╁        | ╁  | +       | ╁            | 1    | <b> </b> | 97       | ╅┪       | ┪        | -        | 十        | +        | 7       | 十       | $\top$                  | ┪        |          | 147        | Т        | Г  | Г  |          | Γ            |          | Π            |                |              |
| _            | 48       | ۲        | ╈       | 十        | 1-       | +        | $\vdash$ | +  | +-      | T            | 1    | -        | 98       | ╁┤       | _        | 一        | 十        | $\dashv$ | +       | 1       | 十                       | 7        |          | 148        | Г        |  |  | Γ        |              |          |              |                | 匚            |
| _            | 49       | ╁        | ╈       | ✝        | ╁        | ╁        | ✝        | 十  | ╅       | ┿            | 1    | $\vdash$ | 99       | П        | _        | ヿ        | -†       | 7        | 十       | 十       | T                       | ┑        |          | 149        |          |  |  |          |              |          |              |                |              |
| _            | 50       | ✝        | 十       | ┪-       | +        | +        | +-       | t  | +       | +            | 1    |          | 100      | М        | ┪        | -1       | _†       | 7        | 7       | 十       | 十                       | ٦        |          | 150        |          |  |  | Ι.       |              | $L^{T}$  | L            |                |              |